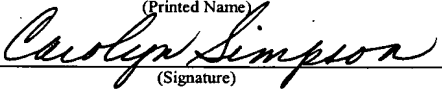




Atty. Dkt. No. 043739-0175

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Thornton et al.  
Title: HUMAN CARBONIC  
ANHYDRASES  
Appl. No.: 10/069,434  
Filing Date: 07/18/2002  
Examiner: Saidha, Tekchand  
Art Unit: 1652

<b>CERTIFICATE OF EXPRESS MAILING</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
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Carolyn Simpson	
(Printed Name)	
	
(Signature)	

**AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.116**

Mail Stop **AMENDMENT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Final Office Action dated February 16, 2005, concerning the above-referenced patent application.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks** begin on page 4 of this document.

Please amend the application as follows.

08/10/2005 SDENBOB1 00000040 10069434

02 FC:1253

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